

COC# 77

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132
20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711

(425) 420-9200 X 420-9210
(509) 924-9200 924-9290
(503) 906-9200 FAX 906-9210
(541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M106035

CLIENT: BRISTOL				INVOICE TO: BRISTOL								TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div>10 7 5 4 3 2 1 <1</div> <div>STD.</div> <div>5 4 3 2 1 <1</div> </div> Petroleum Hydrocarbon Analyses <div style="display: flex; justify-content: space-around;"> <div>5 4 3 2 1 <1</div> <div>STD.</div> <div>OTHER Please Specify</div> </div> <p><small>*Turnaround Requests less than standard may incur Rush Charges.</small></p>											
REPORT TO: ANNE KRANAWETTER				P.O. NUMBER: 21090																			
ADDRESS: AMCHITKA ISLAND, ALASKA																							
PHONE: 907-770-0974 FAX: 770-0975				REQUESTED ANALYSES																			
PROJECT NAME: AMCHITKA				<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">DRO</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Napthalene</div> </div>																			
PROJECT NUMBER: 21090																							
SAMPLED BY: ARK/lem																							
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME										MATRIX (W, S, O)		# OF CONT.		COMMENTS		NCA WO ID					
1. 01AmBB 40 SL		6/12/01 1440										S		2									
2. 01AmBB 41 SL		6/12/01 1442										S		2									
3. 01AmBB 42 SL		6/12/01 1444										S		2									
4. 01AmBB 43 SL		6/12/01 1446										S		2									
5. 01AmBB 44 SL		6/12/01 1448										S		2									
6. 01AmBB 45 SL		6/12/01 1450										S		2									
7. 01AmBB 46 SL		6/12/01 1452										S		2									
8. 01AmBB 47 SL		6/12/01 1454										S		2									
9. 01AmBB 48 SL		6/12/01 1500										S		2									
10. 01AmBB 49 SL		6/12/01 1502										S		2									
11. 01AmBB 50 SL		6/12/01 1504										S		2									
12. 01AmBB 51 SL		6/12/01 1506										S		2									
13. 01AmBB 52 SL		6/12/01 1508										S		2									
14. 01AmBB 53 SL		6/12/01 1510										S		2									
15. 01AmBB 54 SL		6/12/01 1530										S		1									
RELINQUISHED BY: <i>Charlie Marshall</i>				DATE: 6/12/01				RECEIVED BY: <i>Craig Bradle</i>				DATE: 6/12/01											
PRINT NAME: Charlie Marshall				FIRM: BRISTOL				TIME: 1700				PRINT NAME: Craig Bradle				FIRM: NCA				TIME: 1700			
RELINQUISHED BY:				DATE:				RECEIVED BY:				DATE:											
PRINT NAME:				FIRM:				TIME:				PRINT NAME:				FIRM:				TIME:			
ADDITIONAL REMARKS:																TEMP: 7.8°C		PAGE 6 OF 1					



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/12/01 17:00. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M106035



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/17/01 17:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMB840SL	M106035-01	Soil	06/12/01 14:40	06/12/01 17:00
01AMB841SL	M106035-02	Soil	06/12/01 14:42	06/12/01 17:00
01AMB842SL	M106035-03	Soil	06/12/01 14:44	06/12/01 17:00
01AMB843SL	M106035-04	Soil	06/12/01 14:46	06/12/01 17:00
01AMB844SL	M106035-05	Soil	06/12/01 14:48	06/12/01 17:00
01AMB845SL	M106035-06	Soil	06/12/01 14:50	06/12/01 17:00
01AMB846SL	M106035-07	Soil	06/12/01 14:52	06/12/01 17:00
01AMB847SL	M106035-08	Soil	06/12/01 14:54	06/12/01 17:00
01AMB848SL	M106035-09	Soil	06/12/01 15:00	06/12/01 17:00
01AMB849SL	M106035-10	Soil	06/12/01 15:02	06/12/01 17:00
01AMB850SL	M106035-11	Soil	06/12/01 15:04	06/12/01 17:00
01AMB851SL	M106035-12	Soil	06/12/01 15:06	06/12/01 17:00
01AMB852SL	M106035-13	Soil	06/12/01 15:08	06/12/01 17:00
01AMB853SL	M106035-14	Soil	06/12/01 15:10	06/12/01 17:00
01AMB854SL	M106035-15	Soil	06/12/01 15:30	06/12/01 17:00

COC # 77

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/17/01 17:24

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB840SL (M106035-01) Soil					Sampled: 06/12/01 Received: 06/12/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/15/01	06/17/01	0106050	
Surr: 1-Chlorooctadecane	100 %	75-125							
Surr: Triacontane	97.3 %	75-125							
01AMB841SL (M106035-02) Soil					Sampled: 06/12/01 Received: 06/12/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/15/01	06/17/01	0106050	
Surr: 1-Chlorooctadecane	83.5 %	75-125							
Surr: Triacontane	102 %	75-125							
01AMB842SL (M106035-03) Soil					Sampled: 06/12/01 Received: 06/12/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/15/01	06/17/01	0106050	
Surr: 1-Chlorooctadecane	94.1 %	75-125							
Surr: Triacontane	93.7 %	75-125							
01AMB843SL (M106035-04) Soil					Sampled: 06/12/01 Received: 06/12/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/15/01	06/17/01	0106050	
Surr: 1-Chlorooctadecane	82.9 %	75-125							
Surr: Triacontane	98.3 %	75-125							
01AMB844SL (M106035-05) Soil					Sampled: 06/12/01 Received: 06/12/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/15/01	06/16/01	0106050	
Surr: 1-Chlorooctadecane	91.7 %	75-125							
Surr: Triacontane	90.0 %	75-125							
01AMB845SL (M106035-06) Soil					Sampled: 06/12/01 Received: 06/12/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/15/01	06/16/01	0106050	
Surr: 1-Chlorooctadecane	94.7 %	75-125							
Surr: Triacontane	96.1 %	75-125							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Environmental Laboratory Network



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425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/17/01 17:24

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB846SL (M106035-07) Soil					Sampled: 06/12/01 Received: 06/12/01				
Diesel Range Organics	237	150	mg/kg dry	1	AK 102	06/15/01	06/16/01	0106050	
<i>Surr: 1-Chlorooctadecane</i>	98.5 %	75-125							
<i>Surr: Triacotane</i>	101 %	75-125							
01AMB847SL (M106035-08) Soil					Sampled: 06/12/01 Received: 06/12/01				
Diesel Range Organics	547	150	mg/kg dry	1	AK 102	06/15/01	06/16/01	0106050	
<i>Surr: 1-Chlorooctadecane</i>	91.9 %	75-125							
<i>Surr: Triacotane</i>	98.6 %	75-125							
01AMB848SL (M106035-09) Soil					Sampled: 06/12/01 Received: 06/12/01				
Diesel Range Organics	285	150	mg/kg dry	1	AK 102	06/15/01	06/16/01	0106050	
<i>Surr: 1-Chlorooctadecane</i>	103 %	75-125							
<i>Surr: Triacotane</i>	101 %	75-125							
01AMB849SL (M106035-10) Soil					Sampled: 06/12/01 Received: 06/12/01				
Diesel Range Organics	4620	150	mg/kg dry	1	AK 102	06/15/01	06/16/01	0106050	
<i>Surr: 1-Chlorooctadecane</i>	93.2 %	75-125							
<i>Surr: Triacotane</i>	123 %	75-125							
01AMB850SL (M106035-11) Soil					Sampled: 06/12/01 Received: 06/12/01				
Diesel Range Organics	1010	150	mg/kg dry	1	AK 102	06/15/01	06/16/01	0106050	
<i>Surr: 1-Chlorooctadecane</i>	104 %	75-125							
<i>Surr: Triacotane</i>	99.3 %	75-125							
01AMB851SL (M106035-12) Soil					Sampled: 06/12/01 Received: 06/12/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/15/01	06/16/01	0106050	
<i>Surr: 1-Chlorooctadecane</i>	81.0 %	75-125							
<i>Surr: Triacotane</i>	108 %	75-125							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Environmental Laboratory Network

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425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/17/01 17:24

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMB852SL (M106035-13) Soil

Sampled: 06/12/01 Received: 06/12/01

Diesel Range Organics	1150	150	mg/kg dry	1	AK 102	06/15/01	06/16/01	0106050	
<i>Surr: 1-Chlorooctadecane</i>	91.9 %	75-125							
<i>Surr: Triacontane</i>	93.3 %	75-125							

01AMB853SL (M106035-14) Soil

Sampled: 06/12/01 Received: 06/12/01

Diesel Range Organics	1100	150	mg/kg dry	1	AK 102	06/15/01	06/16/01	0106050	
<i>Surr: 1-Chlorooctadecane</i>	89.2 %	75-125							
<i>Surr: Triacontane</i>	123 %	75-125							

North Creek Analytical - Mobile Lab

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Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/17/01 17:24

BTEX, MTBE and Naphthalene per EPA Method 8021B
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB840SL (M106035-01) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0643	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/13/01	0106045	
Toluene	ND	0.257	"	"	"	"	"	"	
Ethylbenzene	ND	0.257	"	"	"	"	"	"	
Xylenes (total)	ND	0.514	"	"	"	"	"	"	
Naphthalene	ND	2.57	"	"	"	"	"	"	
Surr: 4-BFB	85.4 %	50-150							
01AMB841SL (M106035-02) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0490	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/13/01	0106045	
Toluene	ND	0.196	"	"	"	"	"	"	
Ethylbenzene	ND	0.196	"	"	"	"	"	"	
Xylenes (total)	ND	0.392	"	"	"	"	"	"	
Naphthalene	ND	1.96	"	"	"	"	"	"	
Surr: 4-BFB	86.5 %	50-150							
01AMB842SL (M106035-03) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0643	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/13/01	0106045	
Toluene	ND	0.257	"	"	"	"	"	"	
Ethylbenzene	ND	0.257	"	"	"	"	"	"	
Xylenes (total)	ND	0.514	"	"	"	"	"	"	
Naphthalene	ND	2.57	"	"	"	"	"	"	
Surr: 4-BFB	88.2 %	50-150							
01AMB843SL (M106035-04) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0676	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/13/01	0106045	
Toluene	ND	0.270	"	"	"	"	"	"	
Ethylbenzene	ND	0.270	"	"	"	"	"	"	
Xylenes (total)	ND	0.541	"	"	"	"	"	"	
Naphthalene	ND	2.70	"	"	"	"	"	"	
Surr: 4-BFB	85.2 %	50-150							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/17/01 17:24

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB844SL (M106035-05) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0619	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/13/01	0106045	
Toluene	ND	0.248	"	"	"	"	"	"	
Ethylbenzene	ND	0.248	"	"	"	"	"	"	
Xylenes (total)	ND	0.495	"	"	"	"	"	"	
Naphthalene	ND	2.48	"	"	"	"	"	"	
Surr: 4-BFB	86.6 %	50-150							
01AMB845SL (M106035-06) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0467	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/13/01	0106045	
Toluene	ND	0.187	"	"	"	"	"	"	
Ethylbenzene	ND	0.187	"	"	"	"	"	"	
Xylenes (total)	ND	0.374	"	"	"	"	"	"	
Naphthalene	ND	1.87	"	"	"	"	"	"	
Surr: 4-BFB	83.7 %	50-150							
01AMB846SL (M106035-07) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0609	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/13/01	0106045	
Toluene	ND	0.243	"	"	"	"	"	"	
Ethylbenzene	ND	0.243	"	"	"	"	"	"	
Xylenes (total)	ND	0.487	"	"	"	"	"	"	
Naphthalene	ND	2.43	"	"	"	"	"	"	
Surr: 4-BFB	90.3 %	50-150							
01AMB847SL (M106035-08) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0500	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/13/01	0106045	
Toluene	ND	0.200	"	"	"	"	"	"	
Ethylbenzene	ND	0.200	"	"	"	"	"	"	
Xylenes (total)	ND	0.400	"	"	"	"	"	"	
Naphthalene	ND	2.00	"	"	"	"	"	"	
Surr: 4-BFB	87.0 %	50-150							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/17/01 17:24

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB848SL (M106035-09) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0635	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/13/01	0106045	
Toluene	ND	0.254	"	"	"	"	"	"	
Ethylbenzene	ND	0.254	"	"	"	"	"	"	
Xylenes (total)	ND	0.508	"	"	"	"	"	"	
Naphthalene	ND	2.54	"	"	"	"	"	"	
Surr: 4-BFB	85.6 %	50-150							
01AMB849SL (M106035-10) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0540	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/14/01	0106045	
Toluene	ND	0.216	"	"	"	"	"	"	
Ethylbenzene	ND	0.216	"	"	"	"	"	"	
Xylenes (total)	ND	0.432	"	"	"	"	"	"	
Naphthalene	ND	2.16	"	"	"	"	"	"	
Surr: 4-BFB	68.3 %	50-150							
01AMB850SL (M106035-11) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0551	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/14/01	0106045	
Toluene	ND	0.220	"	"	"	"	"	"	
Ethylbenzene	ND	0.220	"	"	"	"	"	"	
Xylenes (total)	ND	0.440	"	"	"	"	"	"	
Naphthalene	ND	2.20	"	"	"	"	"	"	
Surr: 4-BFB	83.1 %	50-150							
01AMB851SL (M106035-12) Soil					Sampled: 06/12/01 Received: 06/12/01				
Benzene	ND	0.0478	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/14/01	0106045	
Toluene	ND	0.191	"	"	"	"	"	"	
Ethylbenzene	ND	0.191	"	"	"	"	"	"	
Xylenes (total)	ND	0.383	"	"	"	"	"	"	
Naphthalene	ND	1.91	"	"	"	"	"	"	
Surr: 4-BFB	95.1 %	50-150							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/17/01 17:24

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMB852SL (M106035-13) Soil

Sampled: 06/12/01 Received: 06/12/01

Benzene	ND	0.0504	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/14/01	0106045	
Toluene	ND	0.202	"	"	"	"	"	"	
Ethylbenzene	ND	0.202	"	"	"	"	"	"	
Xylenes (total)	ND	0.404	"	"	"	"	"	"	
Naphthalene	ND	2.02	"	"	"	"	"	"	

Surr: 4-BFB 83.2 % 50-150

01AMB853SL (M106035-14) Soil

Sampled: 06/12/01 Received: 06/12/01

Benzene	ND	0.0479	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/14/01	0106045	
Toluene	ND	0.191	"	"	"	"	"	"	
Ethylbenzene	ND	0.191	"	"	"	"	"	"	
Xylenes (total)	ND	0.383	"	"	"	"	"	"	
Naphthalene	ND	1.91	"	"	"	"	"	"	

Surr: 4-BFB 85.5 % 50-150

01AMB854SL (M106035-15) Soil

Sampled: 06/12/01 Received: 06/12/01

Benzene	ND	0.145	mg/kg dry	50	1B BTEX/MTI	06/13/01	06/14/01	0106045	
Toluene	ND	0.578	"	"	"	"	"	"	
Ethylbenzene	ND	0.578	"	"	"	"	"	"	
Xylenes (total)	ND	1.16	"	"	"	"	"	"	
Naphthalene	ND	5.78	"	"	"	"	"	"	

Surr: 4-BFB 105 % 50-150

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering 2000 W International Airport C#1 Anchorage, AK 99502-1116	Project: Amchitka Project Number: 21090 Project Manager: Anne Kranawetter	Reported: 06/17/01 17:24
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Physical Parameters per APHA/ASTM/EPA Methods

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB840SL (M106035-01) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	79.0	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	
01AMB841SL (M106035-02) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	80.7	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	
01AMB842SL (M106035-03) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	81.0	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	
01AMB843SL (M106035-04) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	80.0	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	
01AMB844SL (M106035-05) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	80.5	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	
01AMB845SL (M106035-06) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	81.1	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	
01AMB846SL (M106035-07) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	89.5	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	
01AMB847SL (M106035-08) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	81.3	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	
01AMB848SL (M106035-09) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	79.0	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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509.924.9200 fax 509.924.9290
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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/17/01 17:24

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB849SL (M106035-10) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	77.7	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	
01AMB850SL (M106035-11) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	82.4	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	
01AMB851SL (M106035-12) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	80.5	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	
01AMB852SL (M106035-13) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	82.9	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	
01AMB853SL (M106035-14) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	72.9	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	
01AMB854SL (M106035-15) Soil					Sampled: 06/12/01 Received: 06/12/01				
% Solids	100	0.0100 % by Weight		1	Gravimetric	06/15/01	06/16/01	0106051	

North Creek Analytical - Mobile Lab

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Bristol Environmental & Engineering	Project: Amchitka	Reported: 06/17/01 17:24
2000 W International Airport C#1	Project Number: 21090	
Anchorage, AK 99502-1116	Project Manager: Anne Kranawetter	

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106050 - 3545 ASE

Blank (0106050-BLK1)

Prepared: 06/15/01 Analyzed: 06/16/01

Diesel Range Organics	ND	150	mg/kg wet							
Surr: 1-Chlorooctadecane	24.2		"	23.4		103	75-125			
Surr: Triacontane	23.2		"	23.4		99.1	75-125			

LCS (0106050-BS1)

Prepared: 06/15/01 Analyzed: 06/16/01

Diesel Range Organics	1240	150	mg/kg wet	1250		99.2	75-125			
Surr: 1-Chlorooctadecane	24.6		"	23.4		105	75-125			
Surr: Triacontane	20.9		"	23.4		89.3	75-125			

LCS Dup (0106050-BSD1)

Prepared: 06/15/01 Analyzed: 06/16/01

Diesel Range Organics	1330	150	mg/kg wet	1250		106	75-125	7.00	20	
Surr: 1-Chlorooctadecane	22.1		"	23.4		94.4	75-125			
Surr: Triacontane	22.9		"	23.4		97.9	75-125			

Matrix Spike (0106050-MS1)

Source: M106035-01

Prepared: 06/15/01 Analyzed: 06/16/01

Diesel Range Organics	1710	150	mg/kg dry	1580	ND	106	60-140			
Surr: 1-Chlorooctadecane	34.5		"	29.6		117	75-125			
Surr: Triacontane	28.7		"	29.6		97.0	75-125			

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project: Amchitka
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Project Manager: Anne Kranawetter

Reported:
06/17/01 17:24

BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106045 - MeOH Extraction

Blank (0106045-BLK1)

Prepared & Analyzed: 06/13/01

Benzene	ND	0.0250	mg/kg wet
Toluene	ND	0.100	"
Ethylbenzene	ND	0.100	"
Xylenes (total)	ND	0.200	"
Naphthalene	ND	1.00	"

Surr: 4-BFB 2.36 " 2.50 94.4 50-150

LCS (0106045-BS1)

Prepared & Analyzed: 06/13/01

Benzene	2.16	0.0250	mg/kg wet	2.50	86.4	69-138
Toluene	2.23	0.100	"	2.50	89.2	53-151
Ethylbenzene	2.43	0.100	"	2.50	97.2	61-141
Xylenes (total)	6.83	0.200	"	7.50	91.1	62-141
Naphthalene	3.17	1.00	"	2.50	127	65-135

Surr: 4-BFB 2.47 " 2.50 98.8 50-150

North Creek Analytical - Mobile Lab

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Bristol Environmental & Engineering
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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/17/01 17:24

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106035 FINAL 06 17 01 1724.mdb Default Report (not modified)